

*California Department of Transportation
Division of Maintenance*

Structure Maintenance and Investigations

BRIDGE

INSPECTION

RECORDS

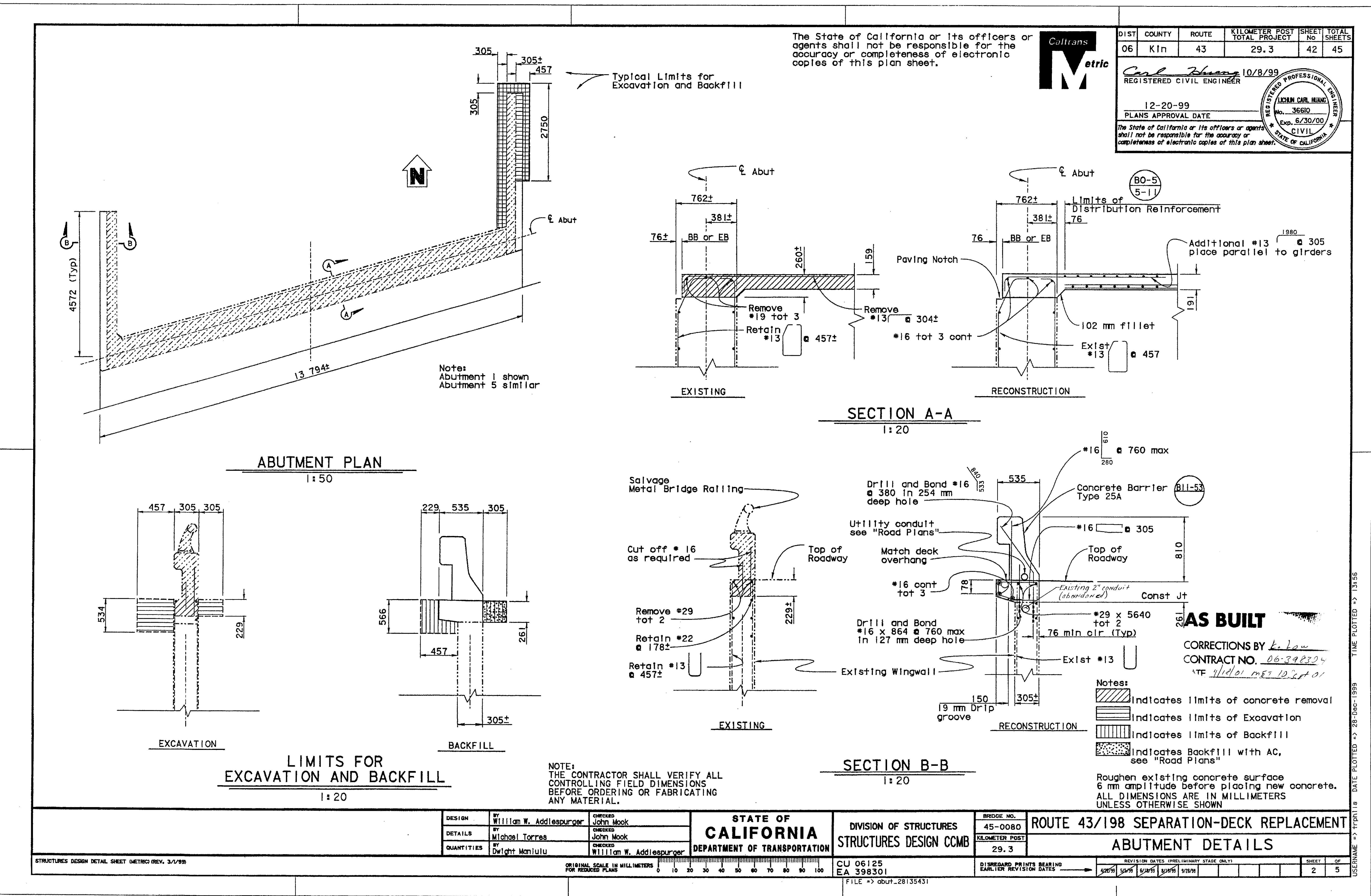
INFORMATION

SYSTEM

The requested documents have been generated by BIRIS.

These documents are the property of the California Department of Transportation and should be handled in accordance with Deputy Directive 55 and the State Administrative Manual.

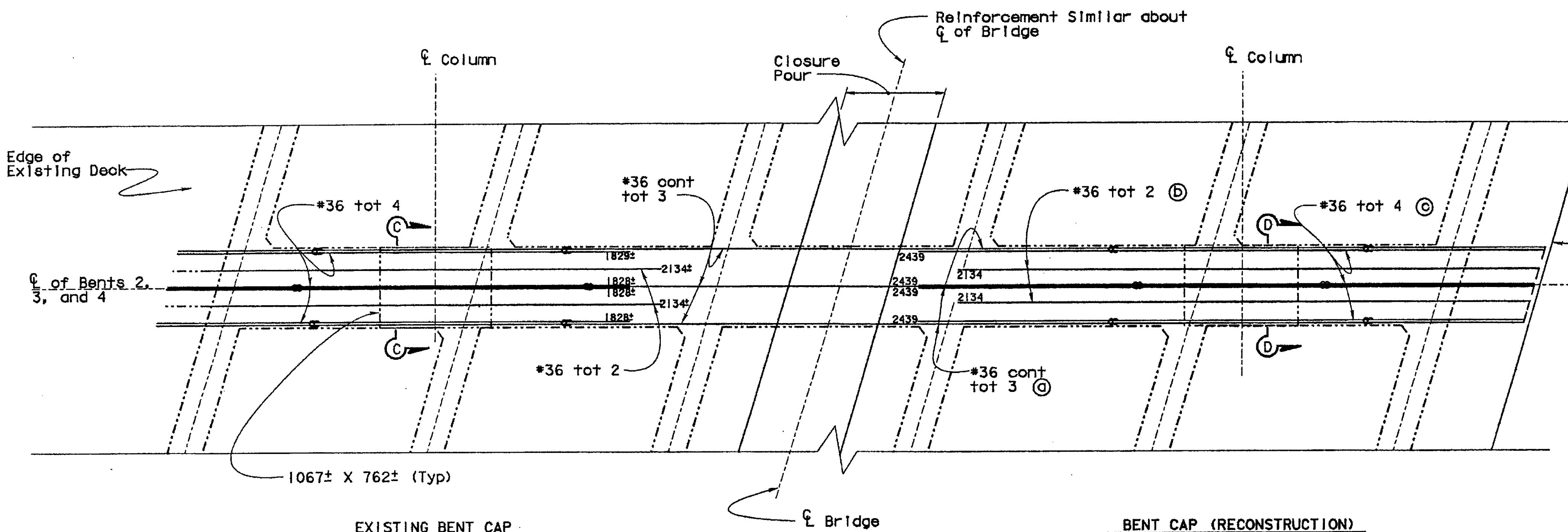
Records for “Confidential” bridges may only be released outside the Department of Transportation upon execution of a confidentiality agreement.





DIST	COUNTY	ROUTE	KILOMETER POST	TOTAL PROJECT NO.	SHEET TOTAL SHEETS
06	Kin	43	29.3	44	45

Carl Huang 10/8/99
REGISTERED CIVIL ENGINEER
No. 36610
Exp. 6/30/00
CIVIL
STATE OF CALIFORNIA



GENERAL NOTES LOAD FACTOR DESIGN

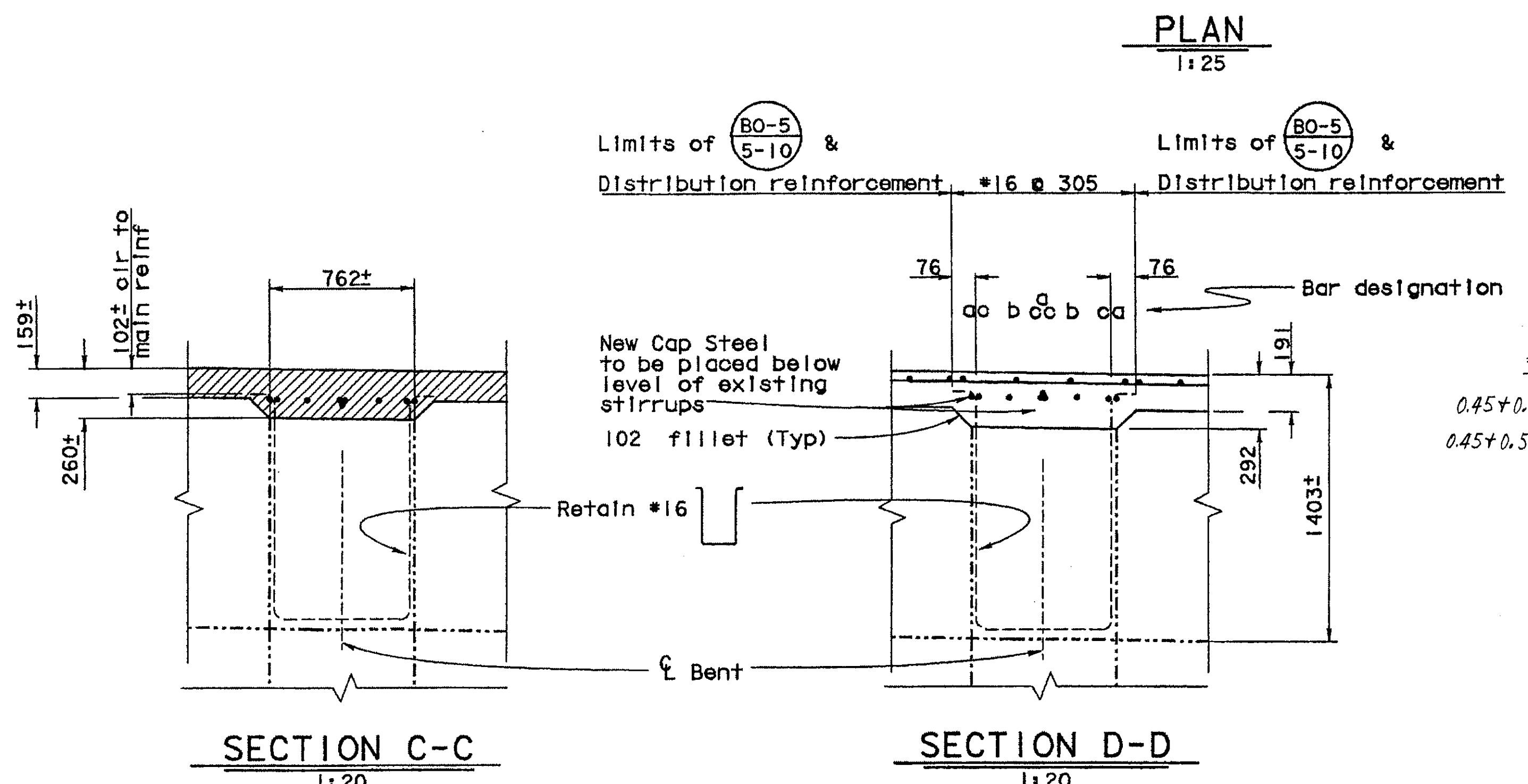
DESIGN: BRIDGE DESIGN SPECIFICATIONS
(1983 AASHTO with Interims and Revisions by CALTRANS)

DEAD LOAD: Includes 1676 Pa for future wearing surface.

LIVE LOADING: HS20-44 and alternative and permit design load.

REINFORCED CONCRETE:

New	Assumed Existing
$f_y = 414$ MPa	$f_y = 303$ MPa
$f'_c = 25$ MPa	$f'_c = 31$ MPa
$n = 9$	$n = 8$



NOTE:
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL.

TEMPORARY SUPPORT TABLE FOR ONE HALF WIDTH OF BRIDGE				
LOCATION	DL (kN)	DL+LL+I (kN)	LATERAL TEMPORARY SUPPORT (kN)	MAXIMUM UPWARD DEFLECTION (mm)
0.45 Point-Span 2	775**	-----	40	-----
0.55 Point-Span 2	775**	-----	40	-----
0.45 Point-Span 3	775**	-----	40	-----
0.55 Point-Span 3	775**	-----	40	-----
Each Girders @ Bents	700	1300	130	0
0.45+0.55 Points Span 2*	660 $\frac{1}{2}$	-----	35	6
0.45+0.55 Points Span 3*	660 $\frac{1}{2}$	-----	35	6

TEMPORARY SUPPORT NOTES

The maximum allowable transverse displacement of the superstructure measured at the girder soffit relative to the base of the temporary support is 25 mm.
Maximum downward deflection is zero for all temporary supports
Jacking operations shall not exceed the dead load nor the maximum upward deflection after deck removal.

Upward deflection of the girders @ midpoints of spans 2 and 3 shall not exceed 6 mm prior to completion of bridge removal operations.
Vertical deflection shall be maintained during deck placement and until new deck attains the required strength.

Loads apply for one half width of bridge as shown in table, except support entire width of bridge at bent locations.

* Jacking Point, "DL" equals maximum jacking load.
Jacking shall be evenly distributed between the girders.

NO CORRECTIONS THIS SHEET

AS BUILT

CORRECTIONS BY K. Low
CONTRACT NO. 46-399304
DATE 4/18/01 MDT 12:59pt 01

NOTES:
Hatched area indicates limits of removal of existing concrete deck, fillets and deck reinforcing.
Bundled bars indicated by a line with dots.

Numbers at ends of bars indicates distance in millimeters from 1/2 of column

Roughen existing concrete surface 6mm amplitude before placing new concrete.

All reinforcement #36 unless otherwise noted

ALL DIMENSIONS ARE IN MILLIMETERS
UNLESS OTHERWISE SHOWN

STATE OF CALIFORNIA		DIVISION OF STRUCTURES	ROUTE 43/198 SEPARATION-DECK REPLACEMENT
STRUCTURES DESIGN CCMB	DEPARTMENT OF TRANSPORTATION	STRUCTURES DESIGN CCMB	BENT DETAILS
BRIDGE NO. 45-0080	KILOMETER POST 29.33	FILE #> bent_28135448	REVISION DATES (PRELIMINARY STAGE ONLY) 4/27/99 5/1/99 6/1/99 8/1/99 9/2/99

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

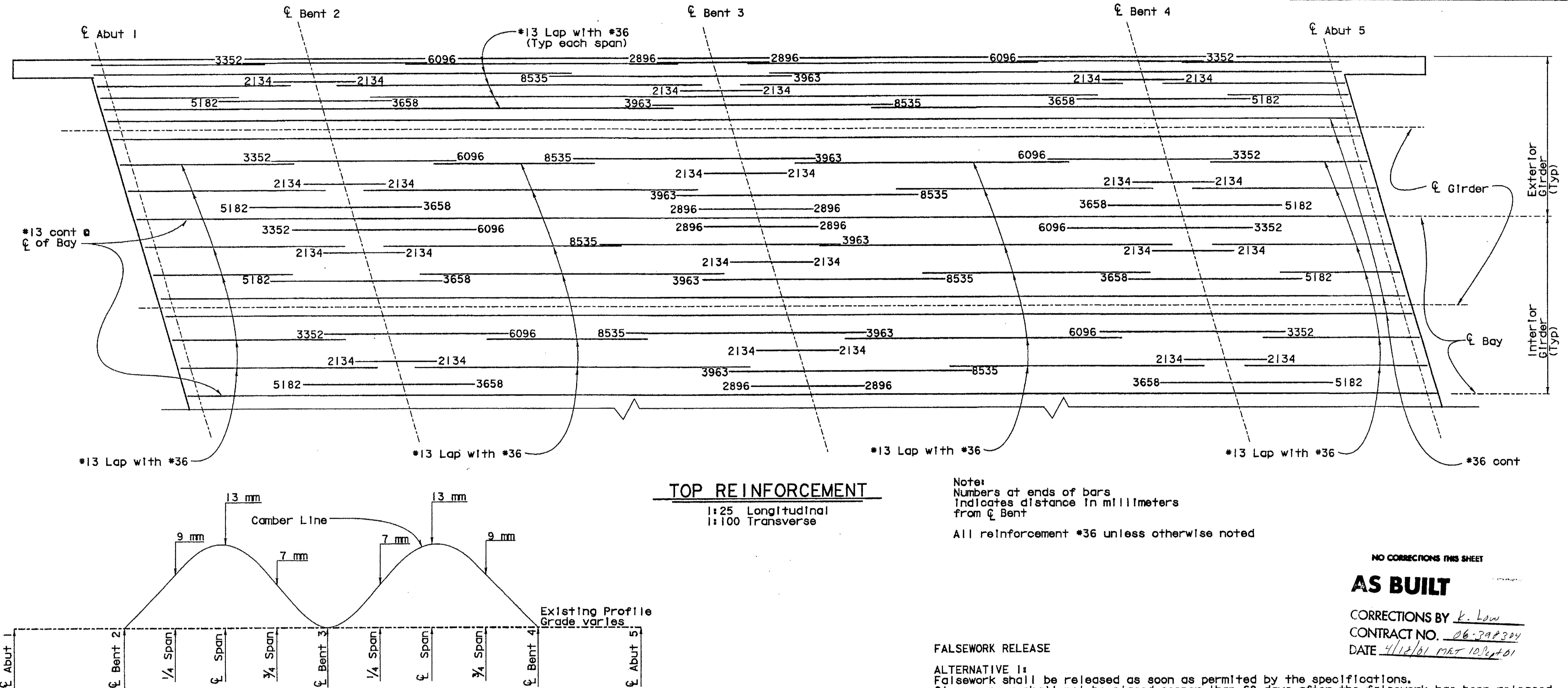


DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
06	Kin	43	29.3	45	45

Carl Huang 10/8/99
 REGISTERED CIVIL ENGINEER

12-20-99
 PLANS APPROVAL DATE

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CAMBER DIAGRAM

NOTE:
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL.

Does not include allowance
for falsework settlement.

At C span 6 mm of 13 mm shall be attained by jacking the girders

TOP REINFORCEMENT

1:25 Longitudinal
1:100 Transverse

Note:
Numbers at ends of bars
Indicates distance in millimeters
from & Bent

All reinforcement #36 unless otherwise noted

NO CORRECTIONS THIS SHEET

AS BUILT

CORRECTIONS BY K. Low
CONTRACT NO. 06-398304
DATE 4/18/01 MDT 10:56:01

FALSEWORK RELEASE

ALTERNATIVE 1:
Falsework shall be released as soon as permitted by the specifications.
Closure pour shall not be placed sooner than 60 days after the falsework has been released.

ALTERNATIVE 2:
Falsework shall not be released less than 28 days after the last concrete has been placed.
Closure pour shall not be placed sooner than 14 days after the falsework has been released.

When "ALTERNATIVE 2" is used, camber values are 0.75 times those shown.

ALL DIMENSIONS ARE IN MILLIMETERS
UNLESS OTHERWISE NOTED

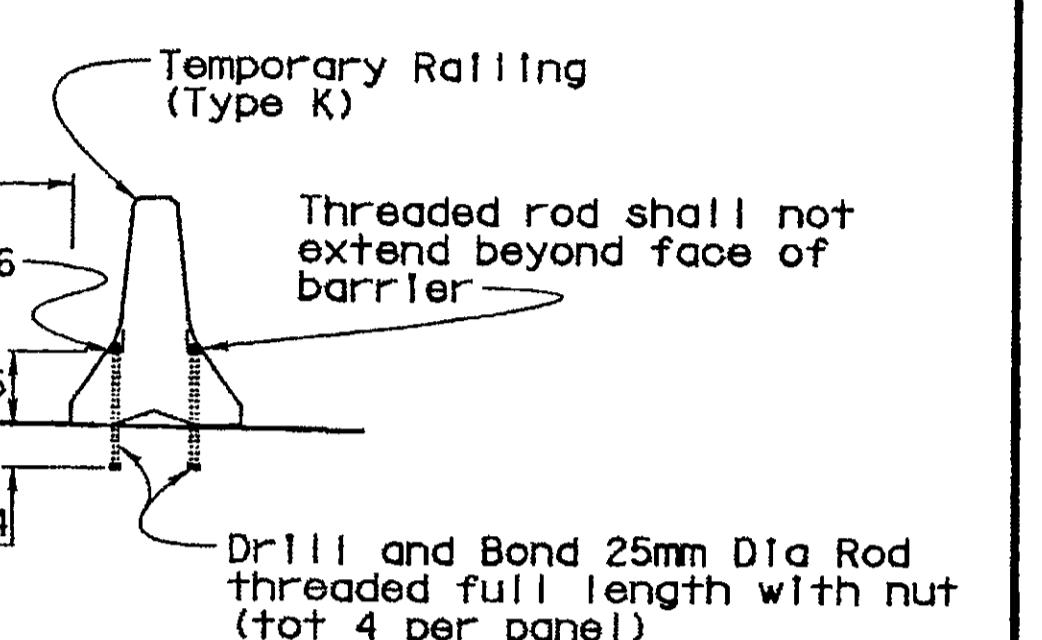


DIST	COUNTY	ROUTE	KILOMETER POST	SHEET NO.	TOTAL SHEETS
06	KIN	43	29.3	43	45

Carl Huang 10/8/99
REGISTERED CIVIL ENGINEER
No. 36610
Exp. 6/30/00
CIVIL
STATE OF CALIFORNIA

12-20-99
PLANS APPROVAL DATE
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

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TEMPORARY RAILING ATTACHMENT DETAILS

(THIS DETAIL REQUIRED ON STRUCTURE ONLY)

NOTES:

indicates limits of removal of existing concrete deck and fillets and deck reinforcing.

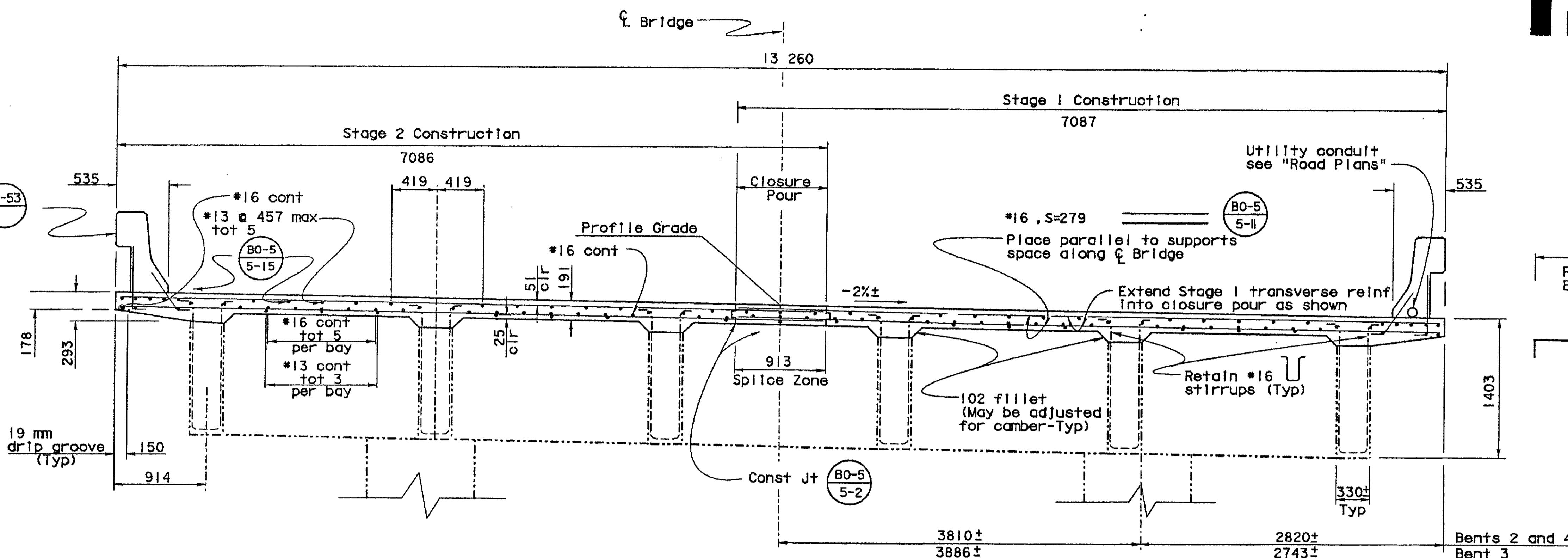
Temporary Railing Type K. For locations see "Roadway Plans."

Remove existing Type I Barrier Railing. Salvage existing metal railing.

For reinforcing details not shown, see "DECK-TOP REINFORCEMENT" sheet.

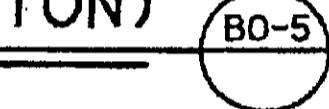
Roughen existing concrete surface 6 mm before placing new concrete.

TIME PLOTTED => 13:57
DATE PLOTTED => 28-Dec-1999
USERNAME => trphns



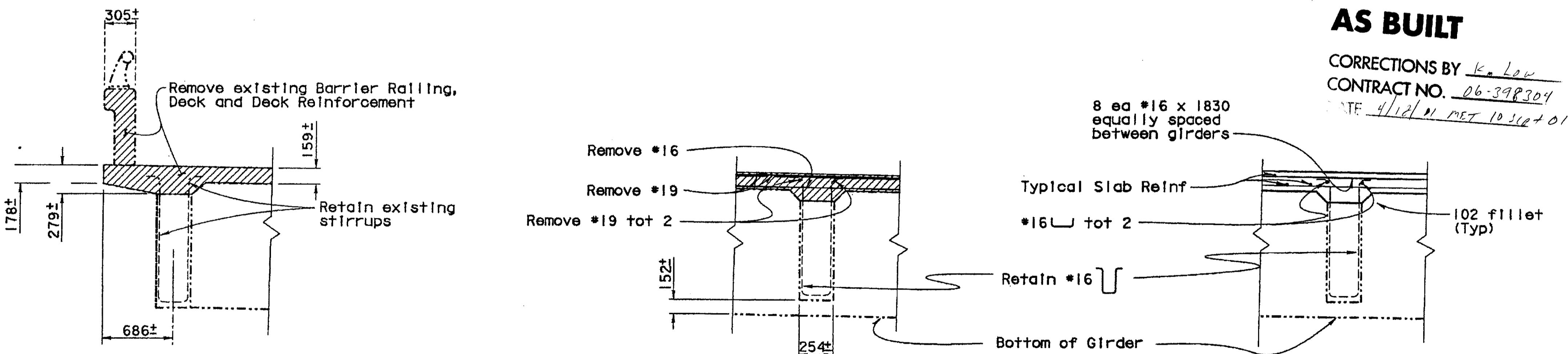
TYPICAL SECTION (DECK RECONSTRUCTION)

1:25



AS BUILT

CORRECTIONS BY K. Lou
CONTRACT NO. 06-398304
DATE 4/12/99 MET 10/30/00



EXIST OVERHANG AND BARRIER

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

1:25

EXISTING

DECK AND FILLET RECONSTRUCTION

RECONSTRUCTION AT CLOSURE POUR AREA

INTERMEDIATE DIAPHRAGM

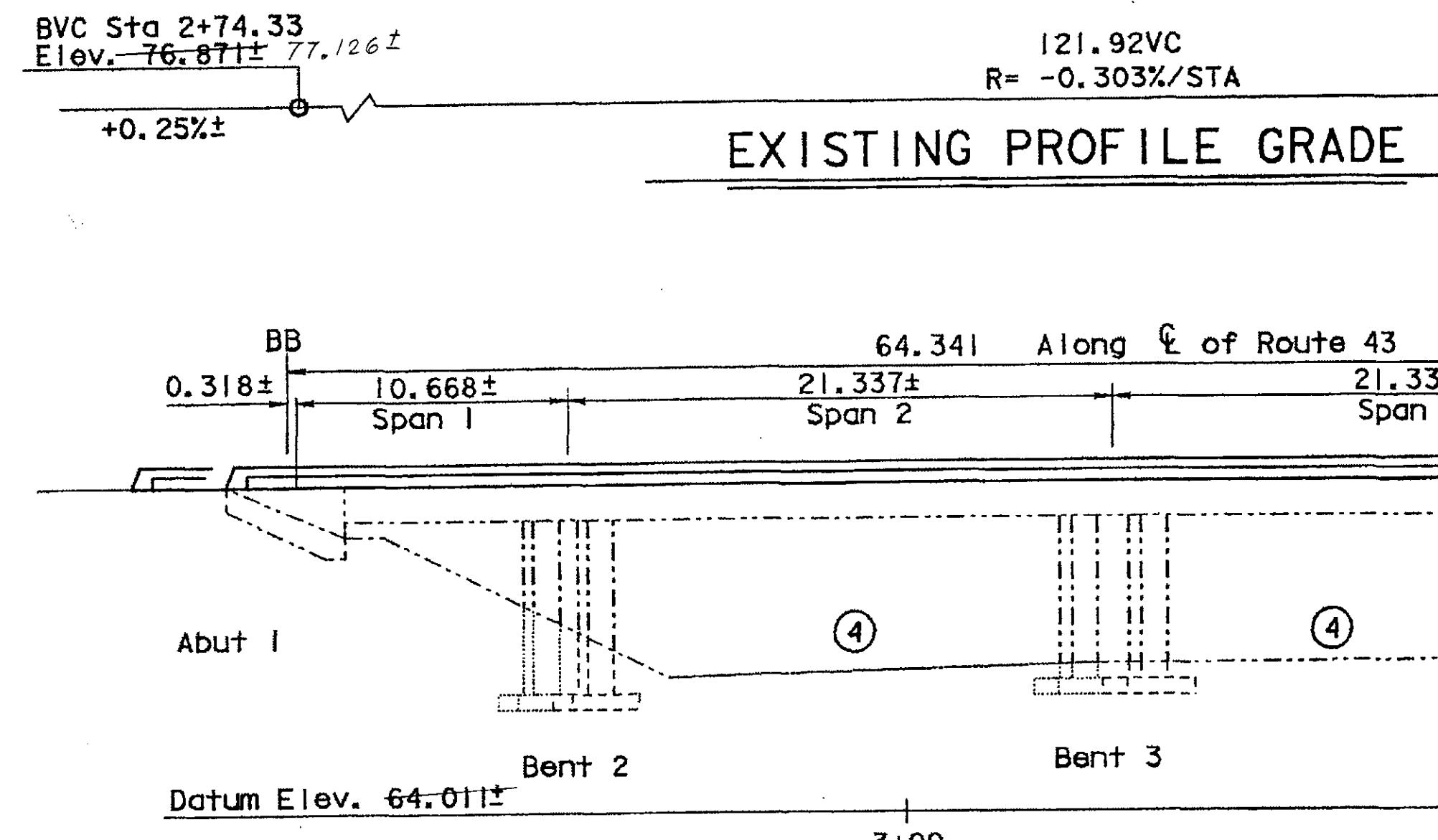
1:25

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

ROUTE 43/198 SEPARATION-DECK REPLACEMENT

TYPICAL SECTION

DESIGN BY William W. Addiespurger	CHECKED John Mook	DETAILS BY Michael Torres	CHECKED John Mook	QUANTITIES BY Dwight Manulu	WILLIAM W. ADDIESPURGER	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF STRUCTURES STRUCTURES DESIGN CCMB	BRIDGE NO. 45-0080	KILOMETER POST 29.3	FILE # CU 06125 EA 398301	DISREGARD PRINTS BEARING EARLIER REVISION DATES →	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF 4 5	
STRUCTURES DESIGN DETAIL SHEET METRIC (REV. 3/1/99)						ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS 0 10 20 30 40 50 60 70 80 90 100						4/99 5/99 6/99 7/99 8/99		
												FILE #> typsec_28135437		



EXISTING PROFILE GRADE

EVC Sta 3+96.26
Elev. 76.950 ± 77.207 ±

-0.12% ±

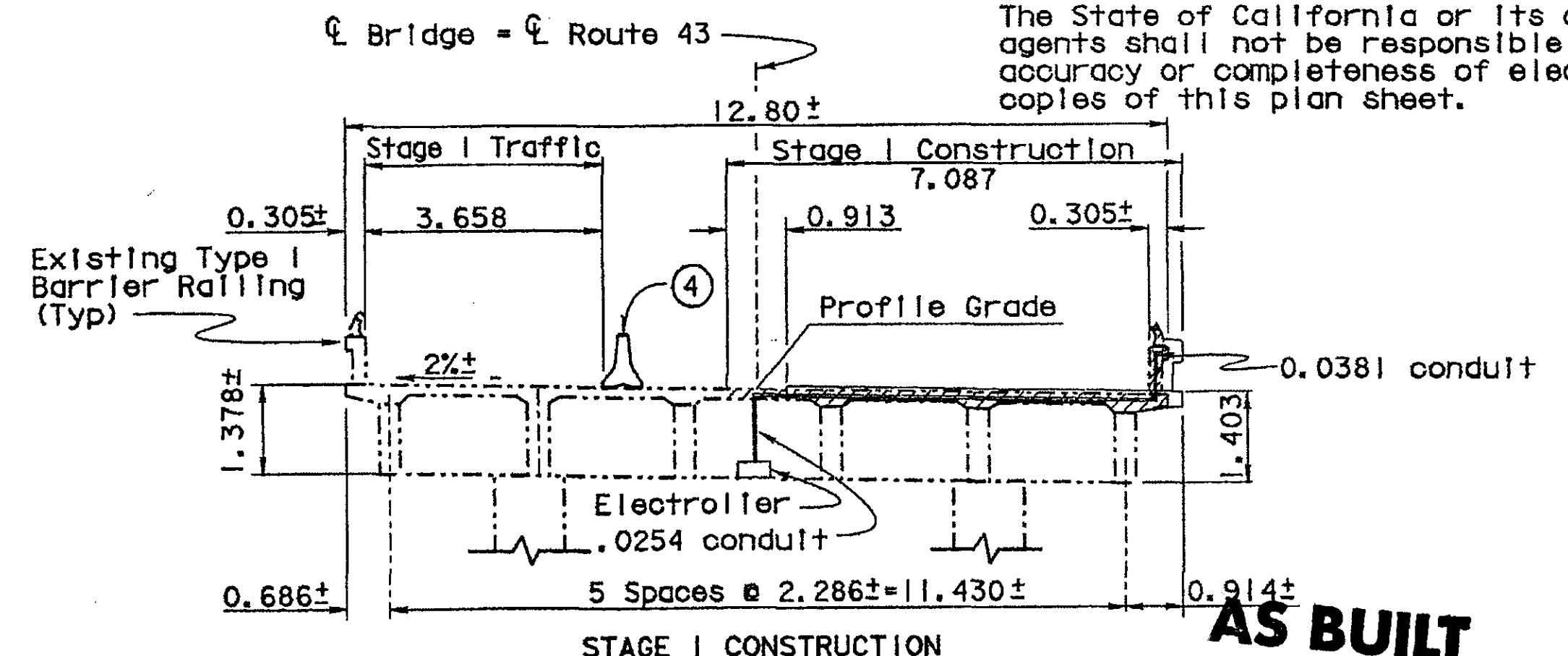
DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
06	KIN	43	29.3	41	45

Carl Huang 10/8/99
 REGISTERED CIVIL ENGINEER

12-20-99
 PLANS APPROVAL DATE

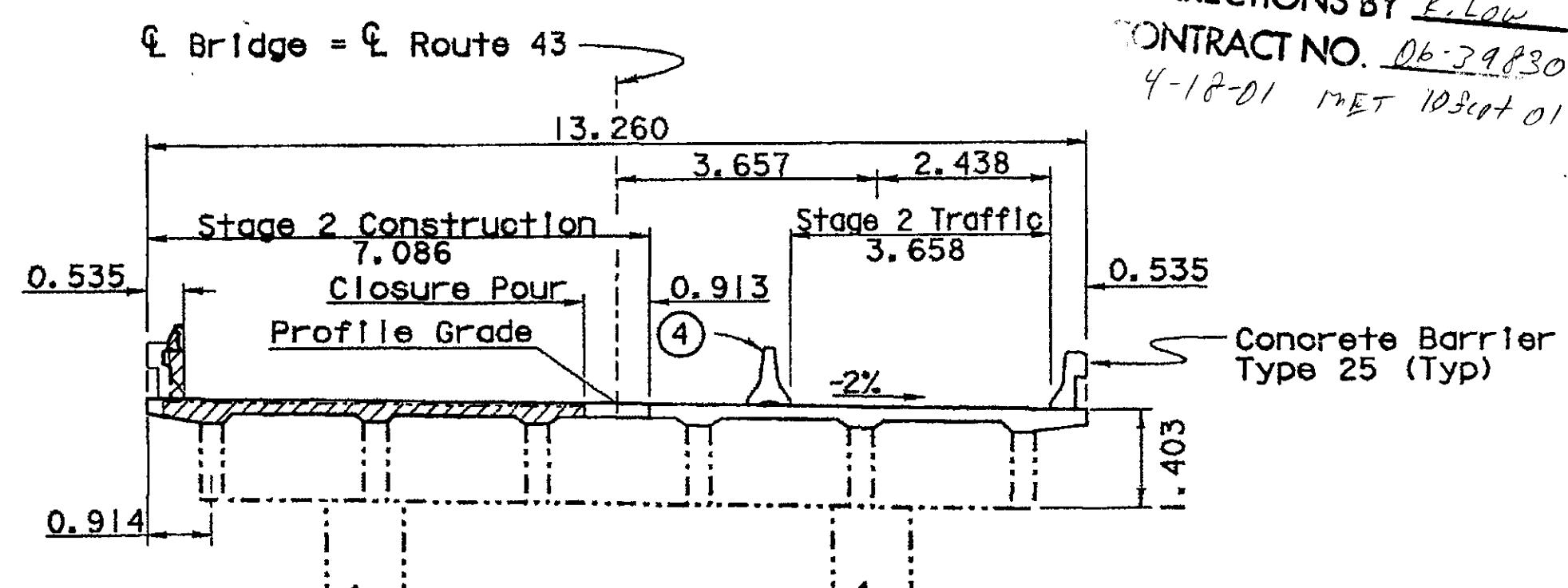
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The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



~~AS BUILT~~

CORRECTIONS BY K. Low
CONTRACT NO. 06-398304
4-18-01 MET 10 Scot 01



INDEX TO PLANS

SHEET NO.

TITLE

GENERAL PLAN
JUTMENT DETAILS
NT DETAILS
PICAL SECTION
CK-TOP REINFORCEMENT

STANDARD PLANS DATED JULY 1997

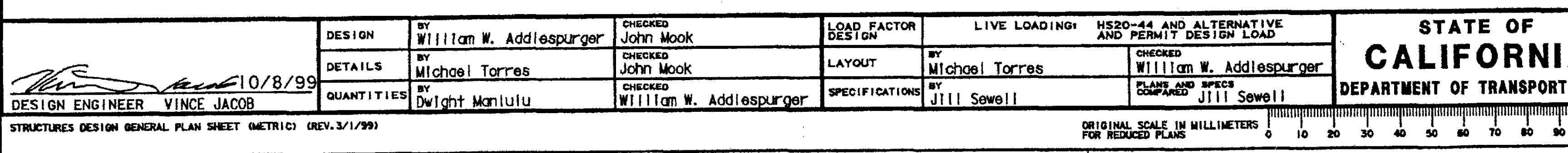
<u>SHEET</u>	<u>TITLE</u>
A10A	ABBREVIATIONS
A77J	GUARD RAIL CONNECTIONS TO BRIDGE RAILING, RETAINING WALLS AND ABUTMENTS
B0-5	BRIDGE DETAILS
B11-53	CONCRETE BARRIER TYPE 25

RD PLAN SHEET NO.
NO.

ALL DIMENSIONS ARE IN
METERS UNLESS OTHERWISE SHOWN

NOTE:
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL.

Note: Elevations are revised in accordance to 1953 Survey
Datum used by Surveyors



**STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION**

DIVISION OF STRUCTURES
STRUCTURES DESIGN CCMB

ROUTE 43/198 SEPARATION-DECK REPLACEMENT

GENERAL PLAN

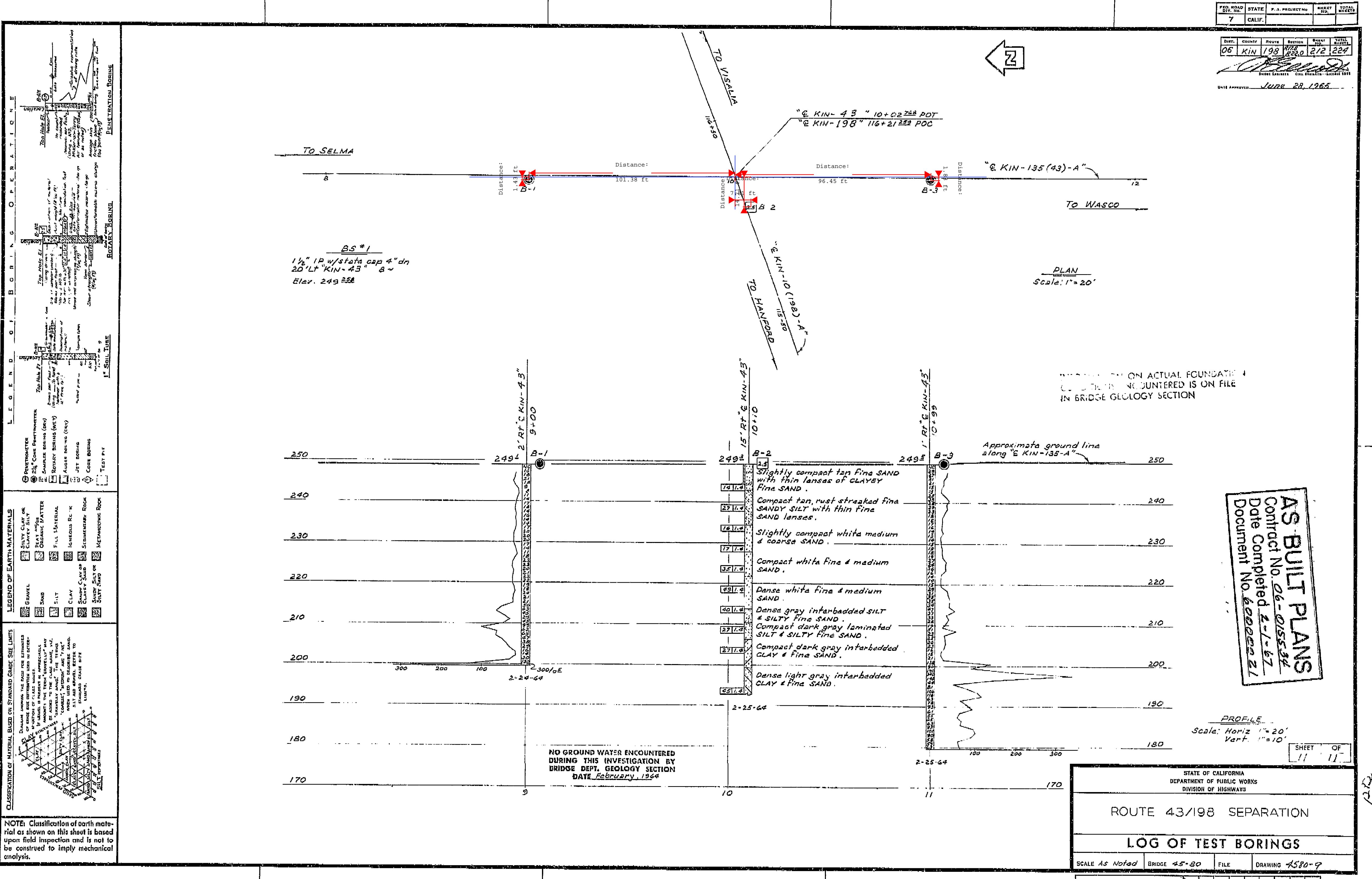
DESIGN ENGINEER VINCE JACOB	QUANTI
STRUCTURES DESIGN GENERAL PLAN SHEET (METRIC) (REV. 3/1/99)	

EA 398301

USERNAME => TRINITY DATE FLUTED => 23 DEC 1999

FIELD STUDY 1 By S. ATTISON 2-22-66
 DRAWN 1 By K. EDDOW 3-2-66
 CHECKED 1 By J. DUNN 3-2-66
 Approved Recommended by [Signature]

BRIDGE DEPARTMENT
 ENGINEERING GEOLOGY SECTION



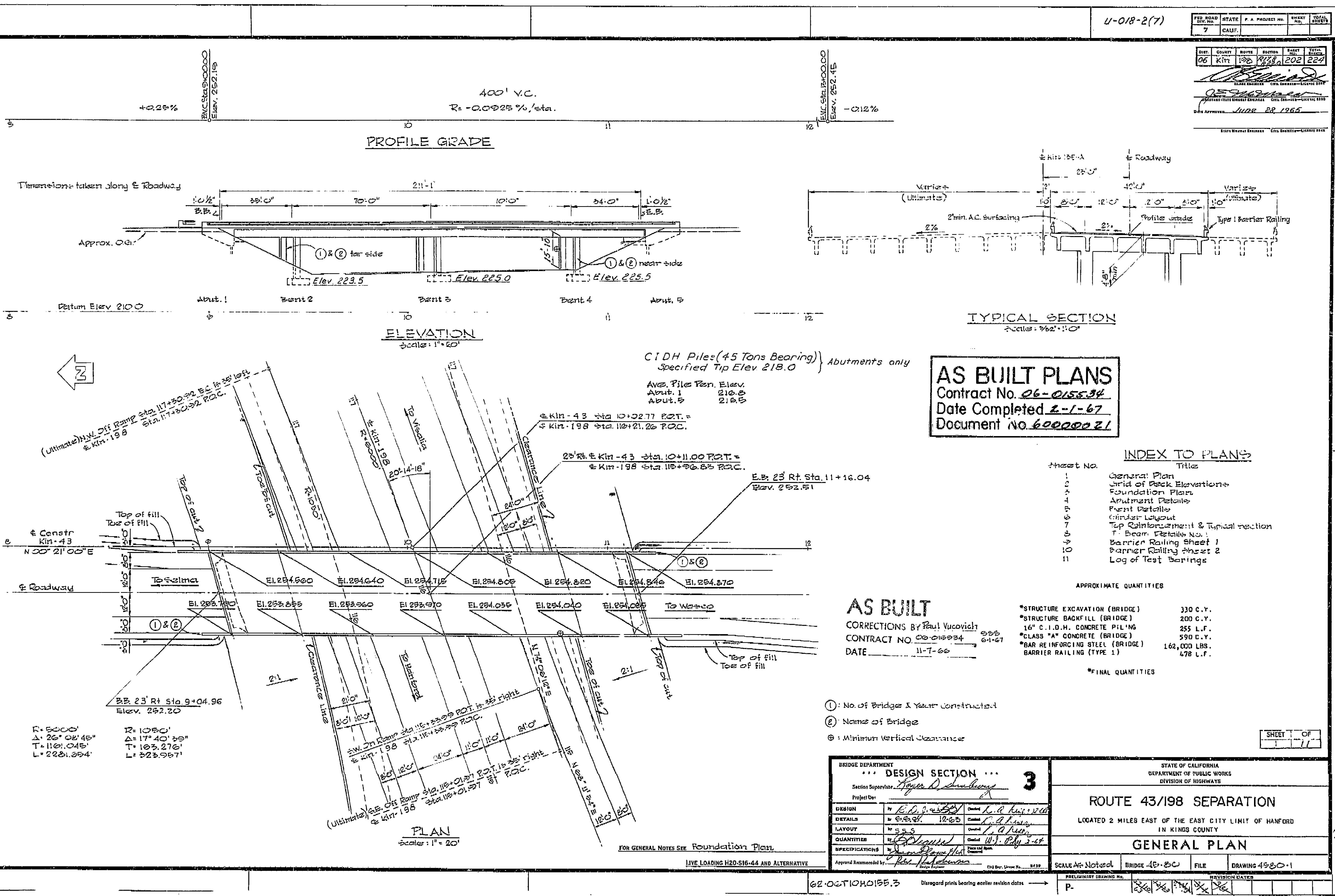
U-018-2(7)

FED ROAD	STATE	P.A. PROJECT NO.	SHEET NO.	TOTAL SHEETS
7	CALIF.			

DIST.	COUNTY	ROUTE	SECTION	TOTAL
06	KING	198	202	224

ROUTE APPROVED JUNE 28, 1965

State Highway Division Civil Engineer - Leland S. Sato
Assistant State Engineer Civil Engineer - Leland S. Sato



**Rev. Note in
Type 1 Ring Eleu.
Detail.**
Heavied up decimal
point in quantiles
B-3 JTS

**Deleted Signature
Block and Fed.
Road Block above
do-12ts - See block
in upper right
hand corner. Rev
little block in
upper right corner.
JTS B-1-63**

**Changes in Type 1
Ring Eleu, Type 2
Type 5 Ring Eleu
point Pts & Rail
section, Type 1, 1A, 2
(2) 11-19-63 JTS**

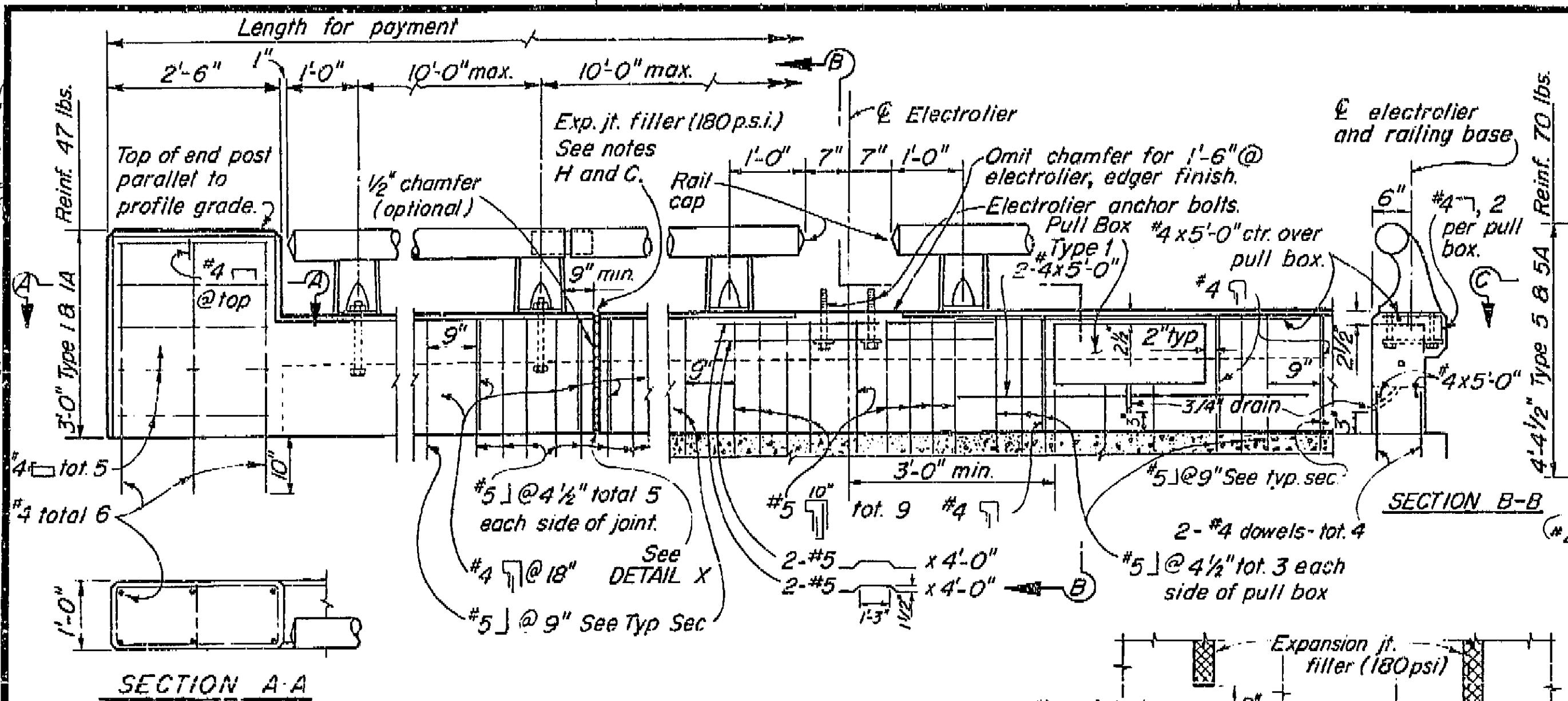
**Changed # Cont tot 6
5 Cont tot 5
in Type 1 Detail
JTS 12-2-63**

**Added 1 x 100-45
tot 1' to 1 m
in Type 5 Railring
4-3 JTS**

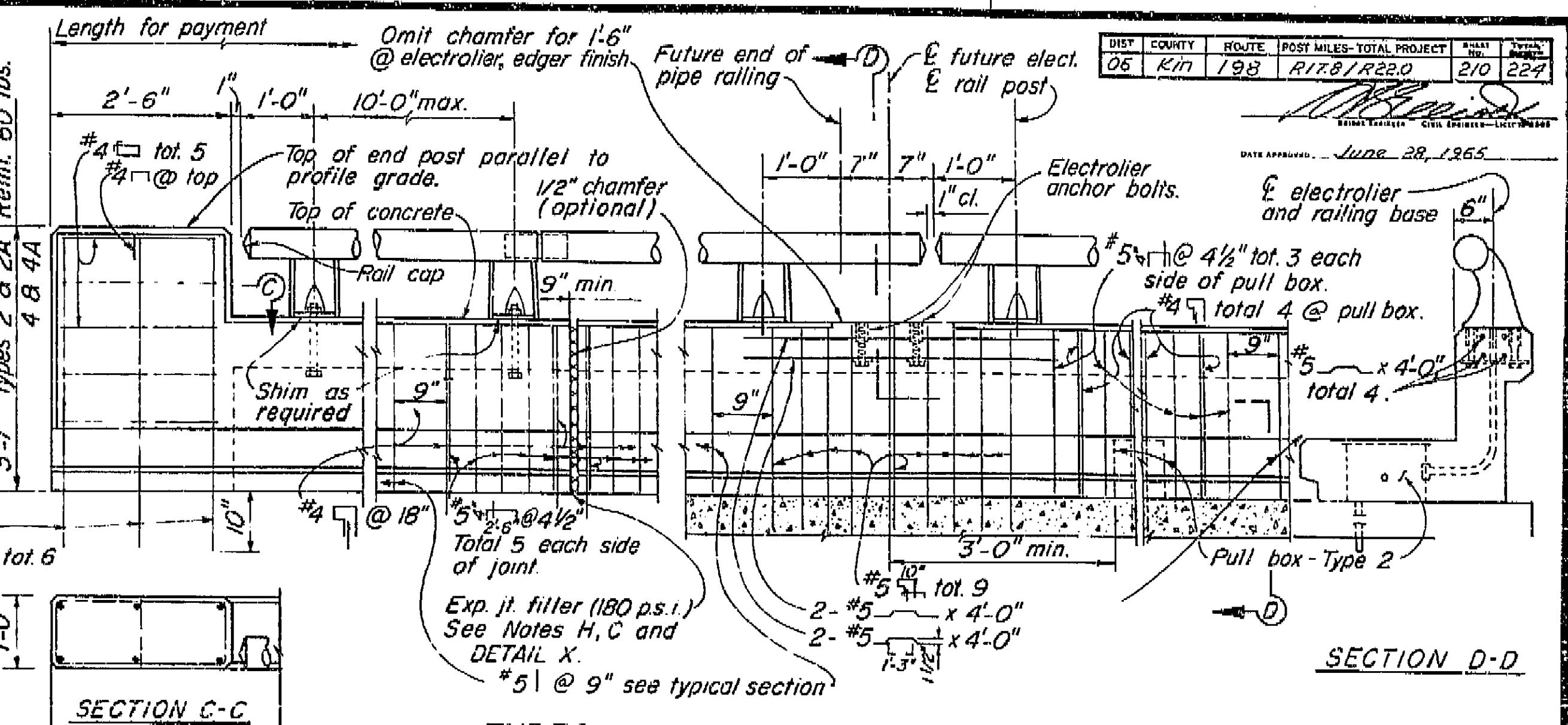
**Added # & cont hts
Type 1 Ring +
selected tot 5 effe
ct cont JTS 16-63**

**145 "DETAIL X"
cont 1A EJS**

**145 "NOTE 1"
AVOID "TYPE 5 & 5A"
SEE TO TYPES 4 & 5
"TYPE 4A 5 SK",
PJD 2 & 5 RAILING ELEU,
TYPES 2 4 & 5 RAILING ELEU
JUNBS US**

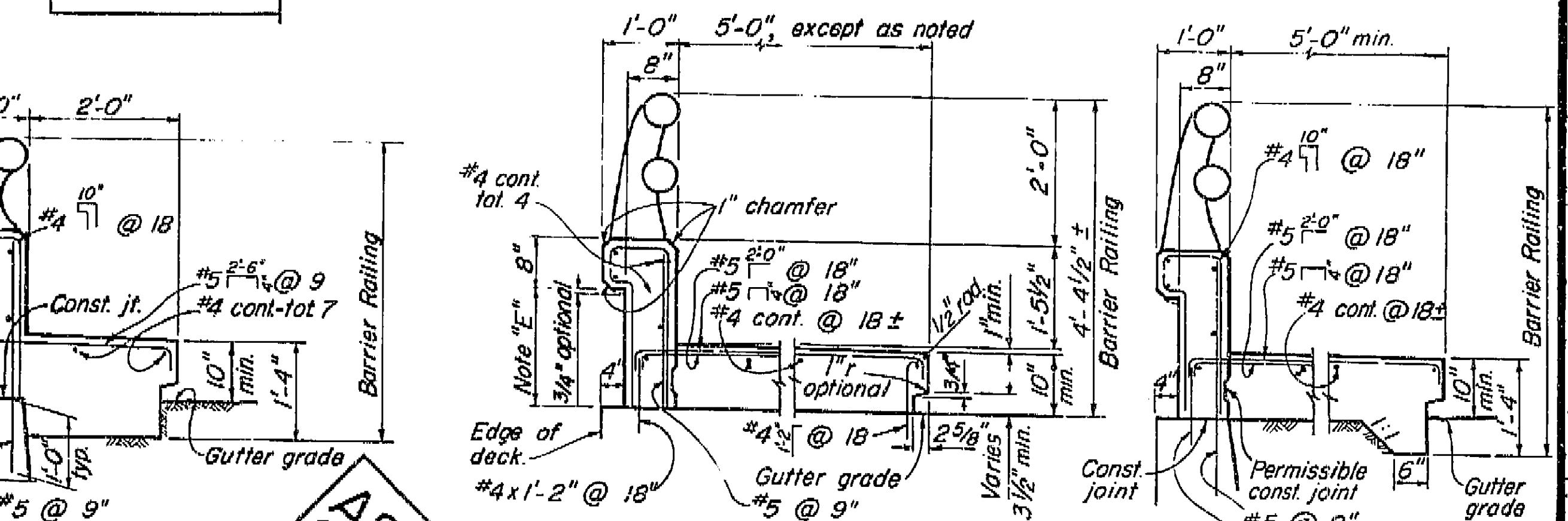


TYPE I RAILING ELEVATION



TYPES 2,4, & 5 RAILING ELEVATION

(TYPE 2 Shown)



NOTE: Types 1A, 2A and 5A are similar to Types 1, 2 and 5, except as noted.

TYPE I

TYPE IA

TYPE 2

TYPE 2A

TYRICAL CURVE AND ROLL SECTION

NOTES

A. Railing shall conform to theoretical horizontal and vertical alignment.

B. Posts shall be normal to railing.

C. Curb and wall joints to be located at all deck joints, at 6 piers or bents and at uniform spacing (40' max.).
Joint size to be $\frac{1}{2}$ " min. and increased to match width of actual deck opening.

D. Construct 3" deep x 12" wide overflow scupper 2" above deck at low points in grade.

E. Dimension will vary with cross-slope of deck.

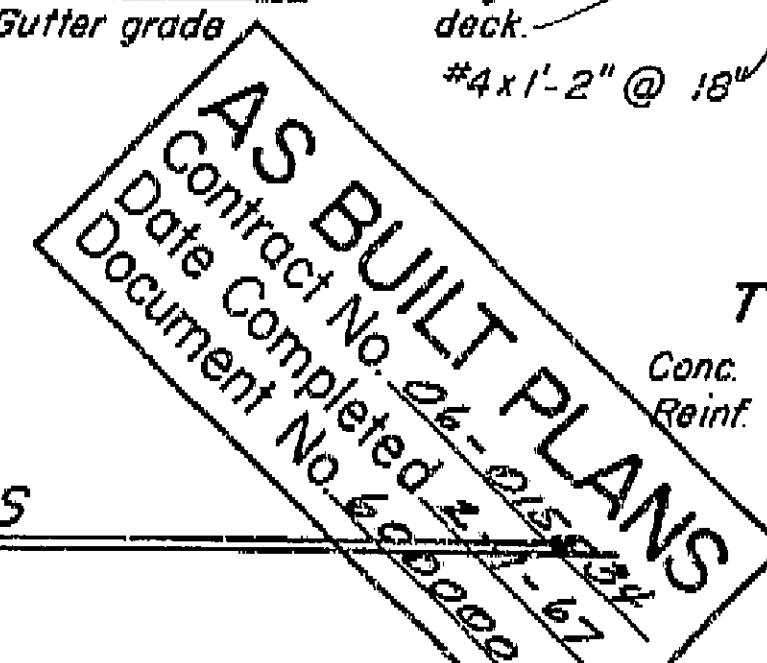
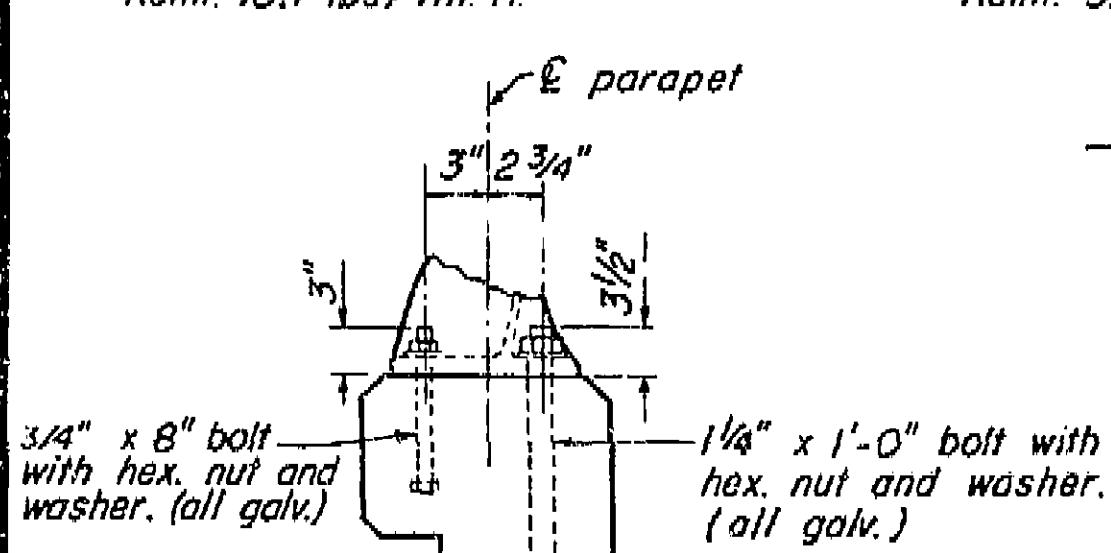
F. Walls are to be backfilled before railing is placed.

G. Clearance to reinforcing steel in curb and railing to be 1". Longitudinal reinforcement to stop at all joints in railing.

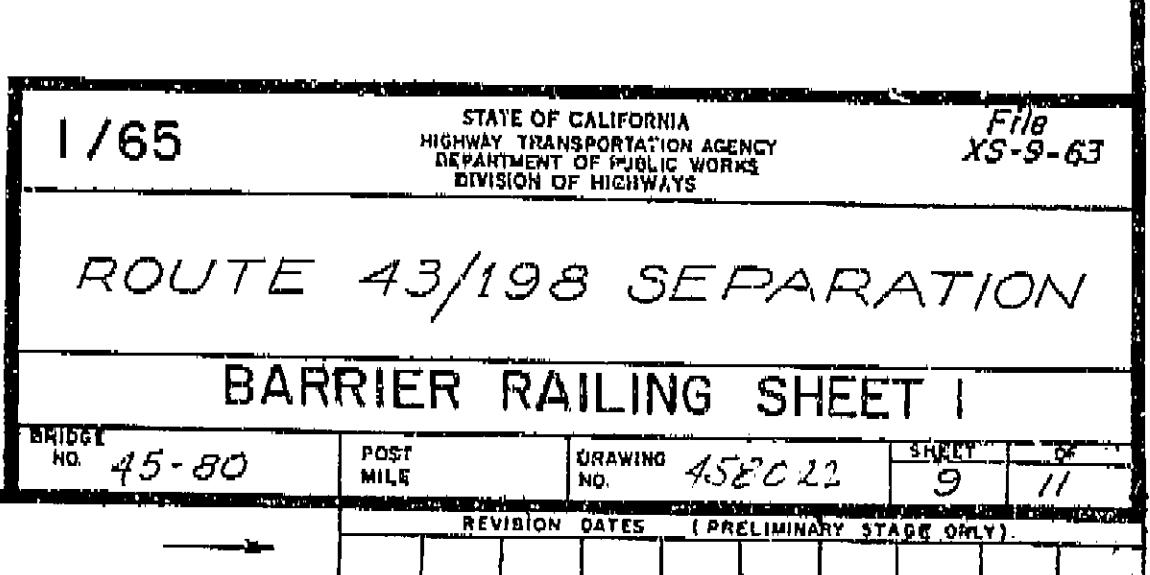
H. As an alternative an open joint may be used in Type 1 and Type 2 railings. See DETAIL X for placement of joint.

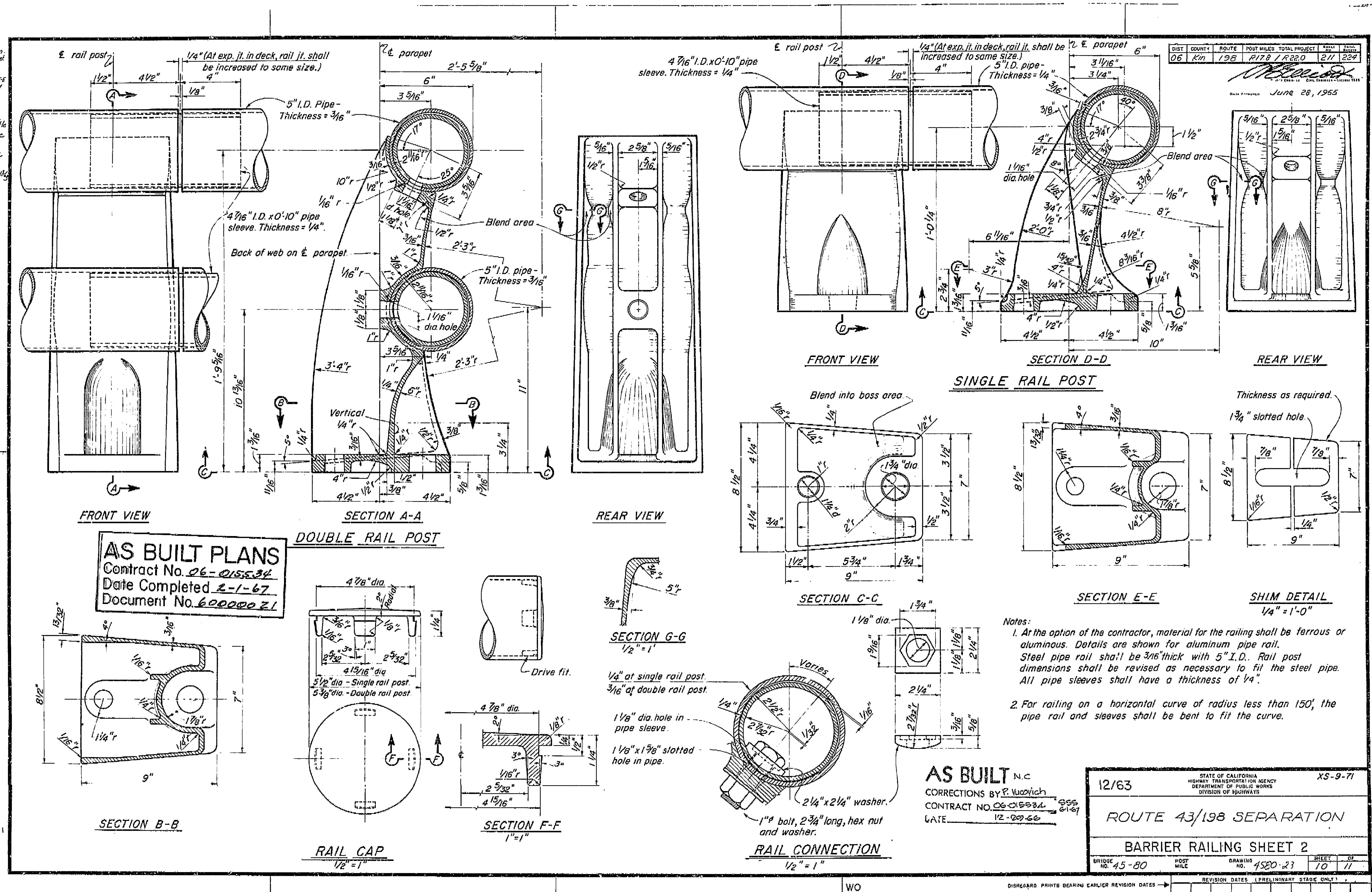
PAIL POST ANCHOR BOLT DETAILS

Scale: 1/2" = 1'-0"



I. The details for Barrier Railings Types 4 and 5 are similar except that Type 4 uses a single rail and post with chain link railing - See "CHAIN LINK SIDEWALK RAILING TYPE 4"

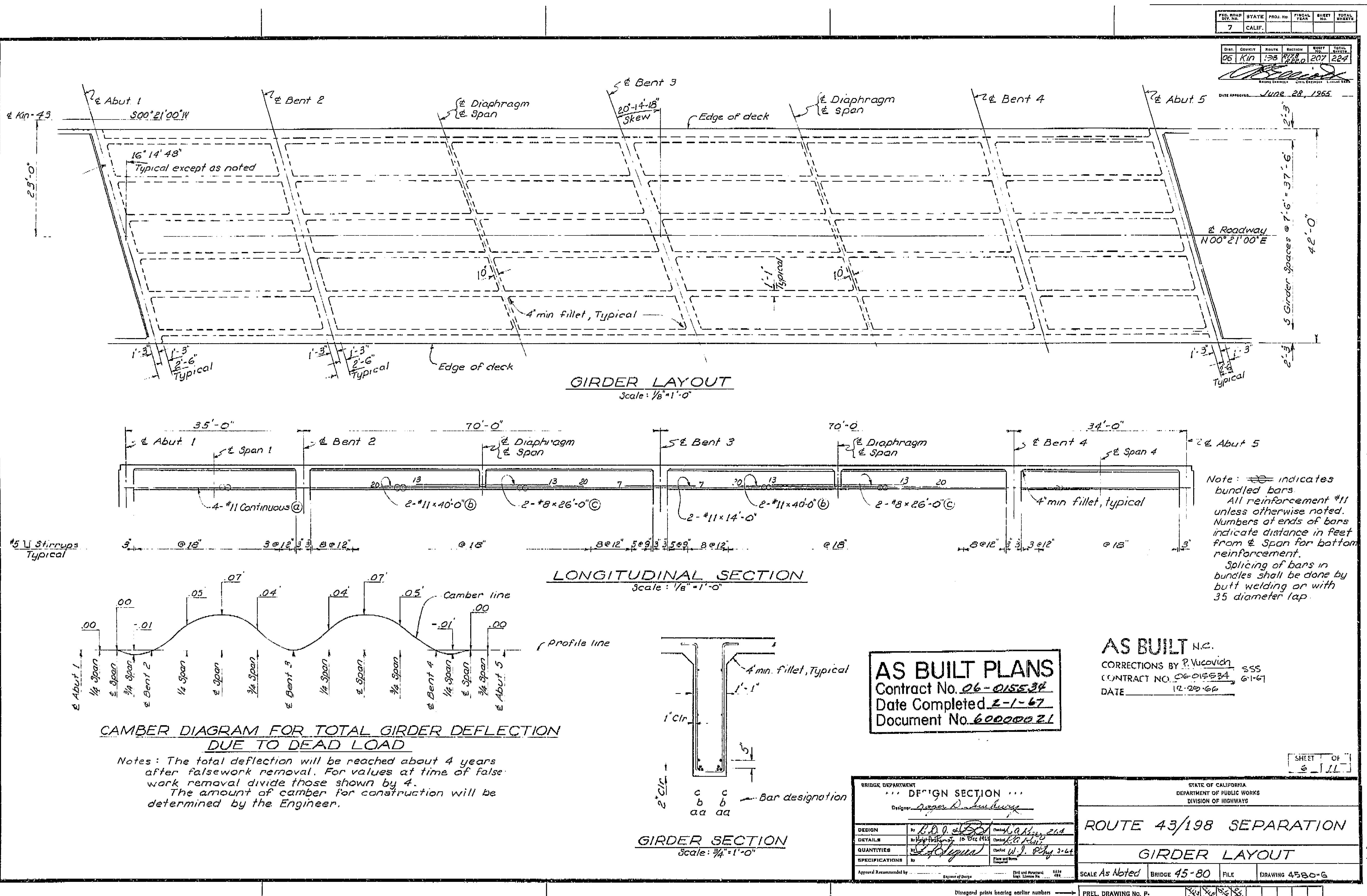




Proj. No. STATE Proj. No. FISCAL YEAR SHEET NO. TOTAL SHEETS

06 KIN 198 R198 207 224

ROUTE APPROVED June 28, 1965

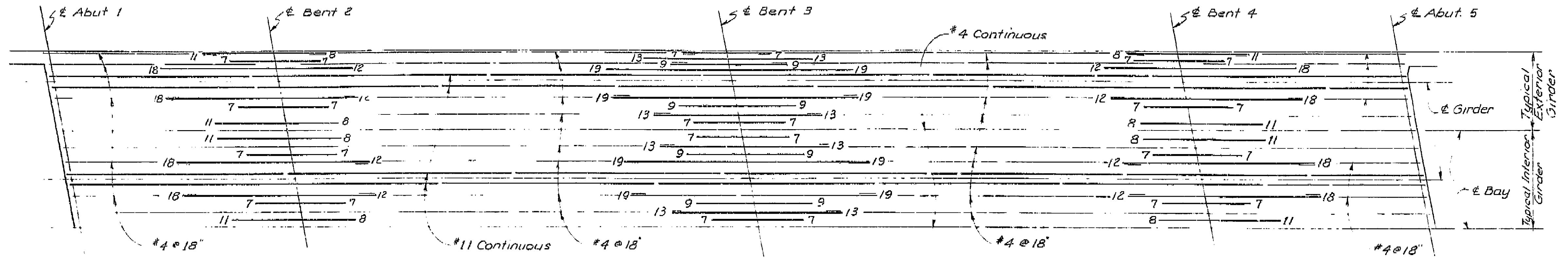


FED. ROAD	STATE	PROJ. NO.	FISCAL YR.	BUDGET AMT.	TOTAL SHEETS
06	KIN	198	MM 208 Zero	234	

Dist.	County	Route	Section	Binary	Total
06	KIN	198	MM 208 Zero	234	

Engineering Drawing - Sheet 7 of 7

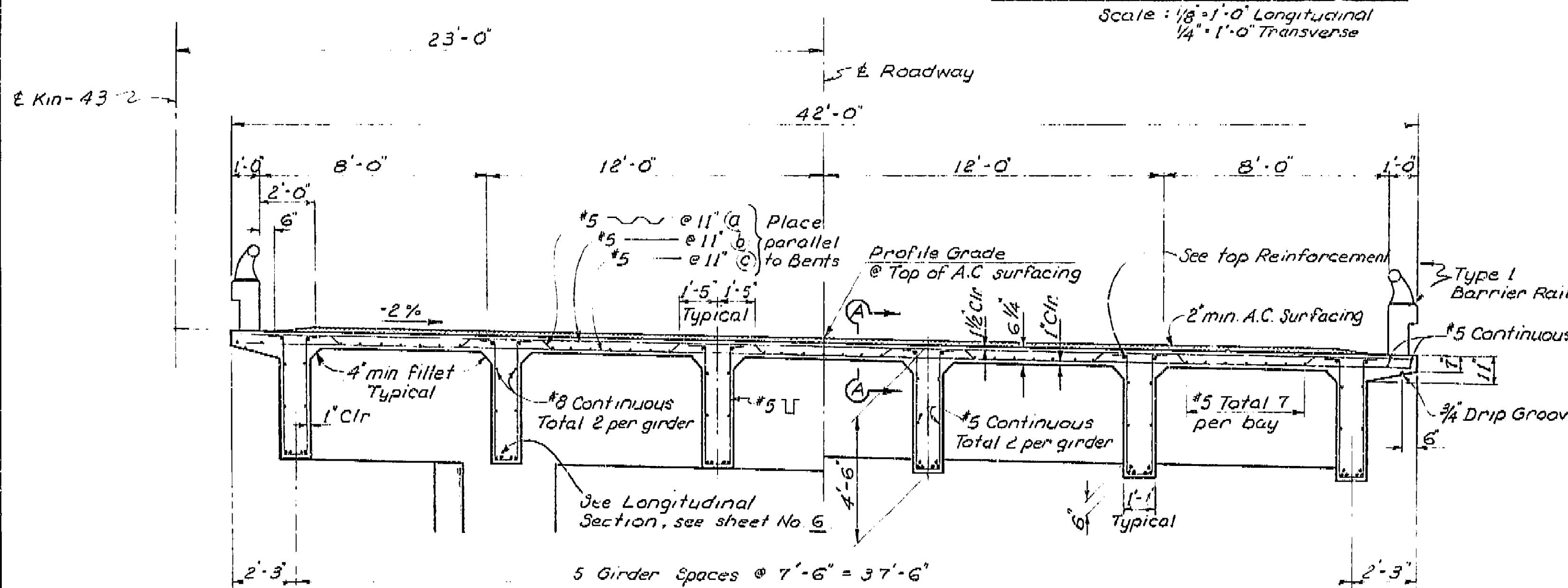
Date Approved: June 28, 1965



TOP REINFORCEMENT

Scale: $\frac{1}{8}$ " = 1'-0" Longitudinal
 $\frac{1}{4}$ " = 1'-0" Transverse

Note: All reinforcement #11 unless otherwise noted. Numbers at ends of bars indicate distance in feet from \$ Bent for top reinforcement.



AS BUILT N.C.

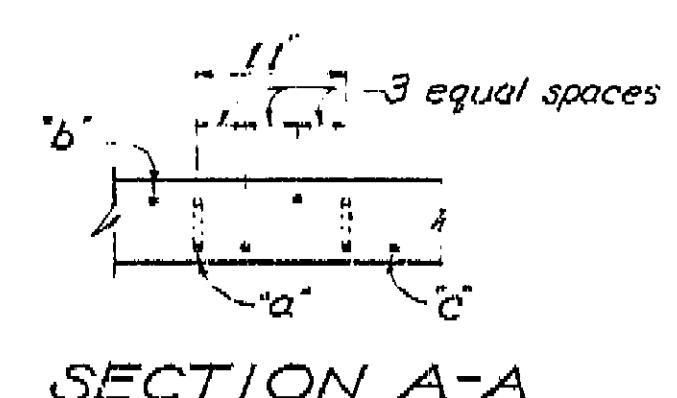
CORRECTIONS BY P. Vucovich
CONTRACT NO. 06-0155-34 558
DATE 12-20-66 6-1-67

AS BUILT PLANS

Contract No. 06-0155-34
Date Completed 2-1-67
Document No. 600000021

SHEET 7 OF 7

BRIDGE DEPARTMENT		DESIGN SECTION		STATE OF CALIFORNIA	
		Designer: Roger L. Schuberg		DEPARTMENT OF PUBLIC WORKS	
DESIGN	CD 1.000	Checklist	CD 1.000	Checklist	ROUTE 43/198 SEPARATION
DETAILS	By Log Number 19 Dec 65	Initial	CD 1.000	Initial	TOP REINF. & TYPICAL SECTION
QUANTITIES	N/A	Final	N/A	Final	SCALE As Noted
SPECIFICATIONS	N/A	CD 1.000	N/A	CD 1.000	BRIDGE 45-80 FILE DRAWING 4580-7
Approved Recommended by: Engineer of Design Date Drawn No. 4580-7					
Disregard prints bearing earlier numbers → PREL. DRAWING NO. P. 4580-7					

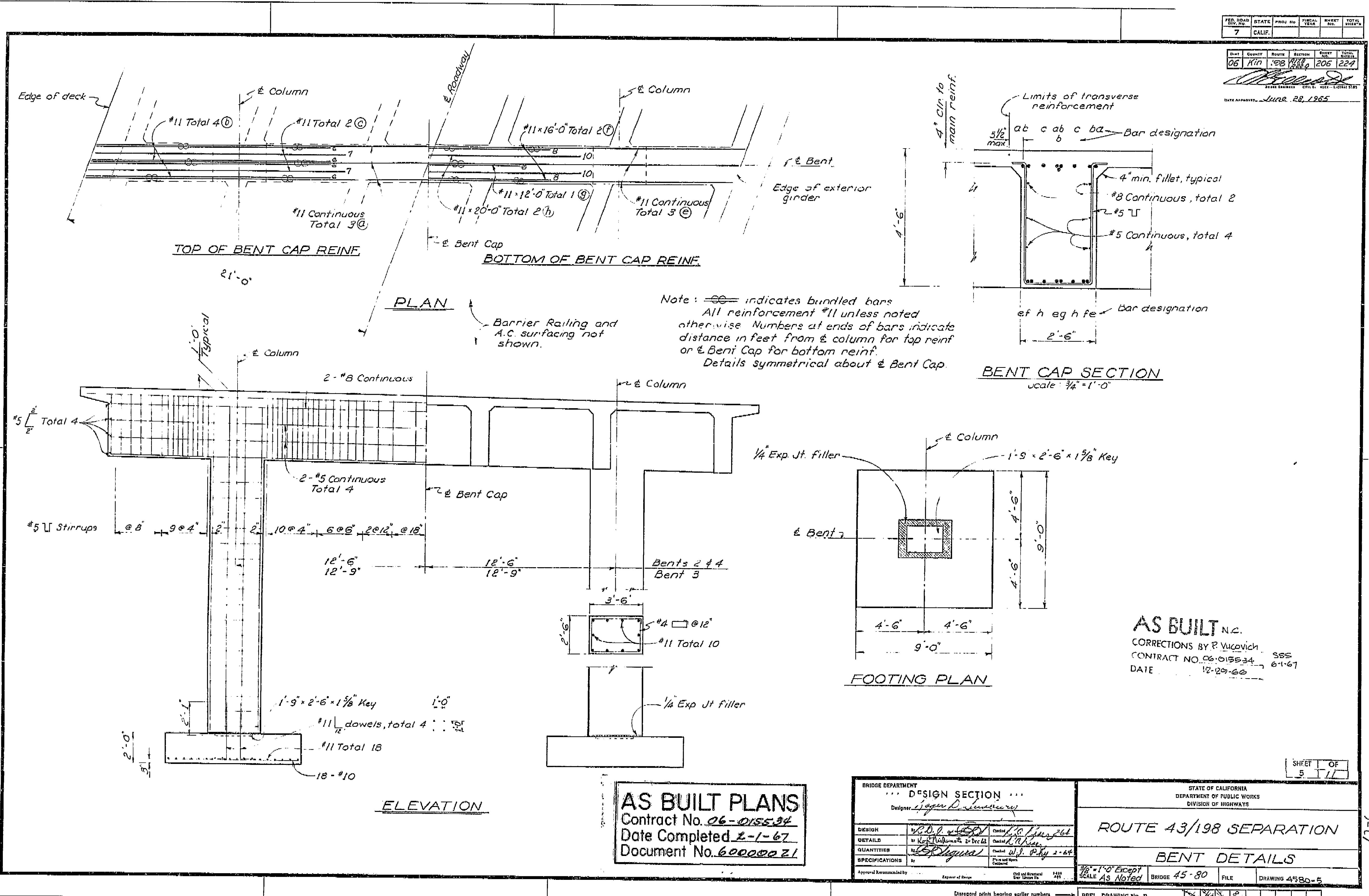


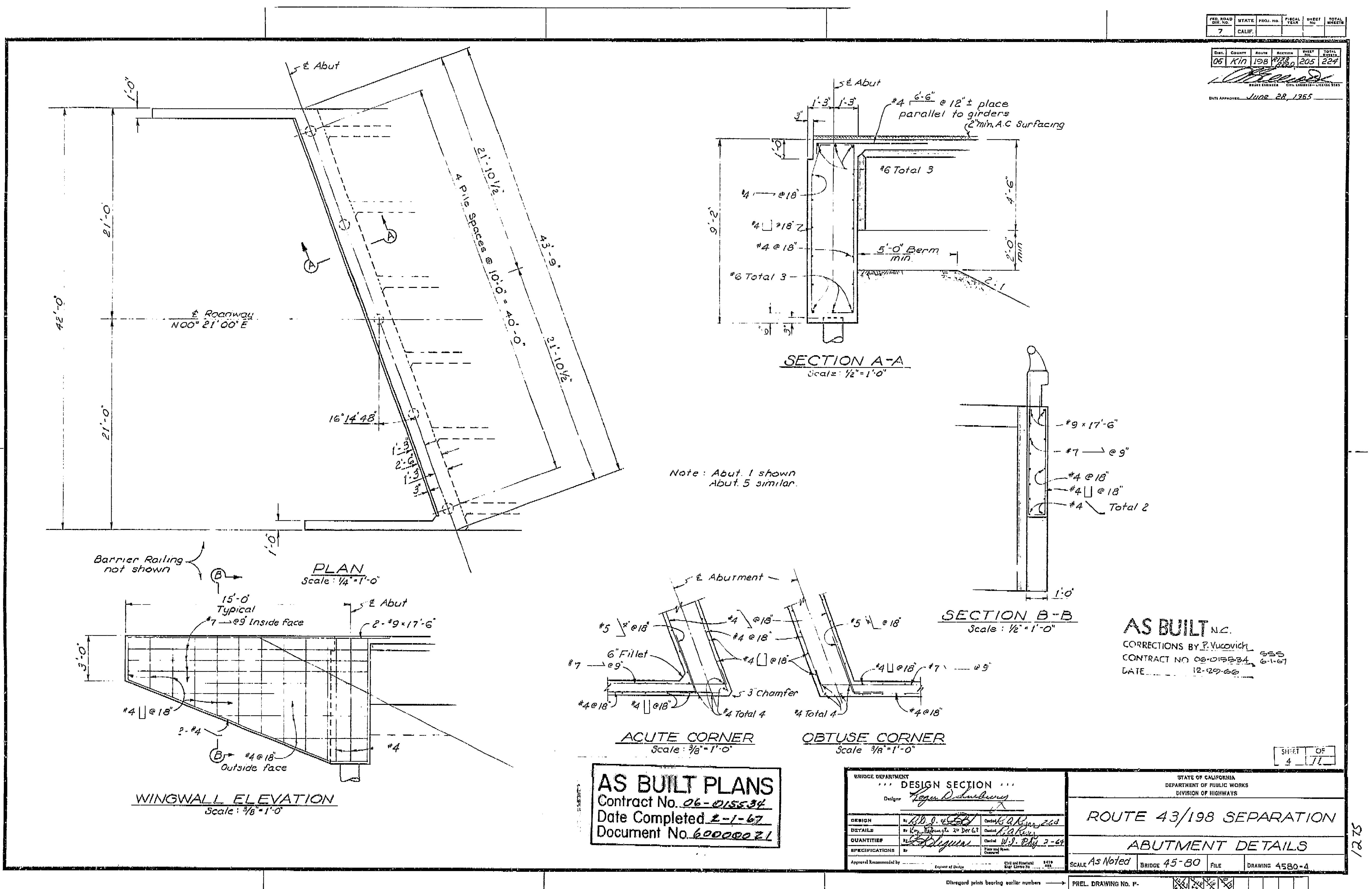
SECTION A-A

Scale: 1"-1'-0"

208

12/72



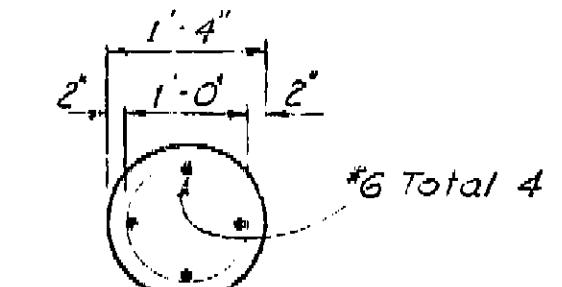
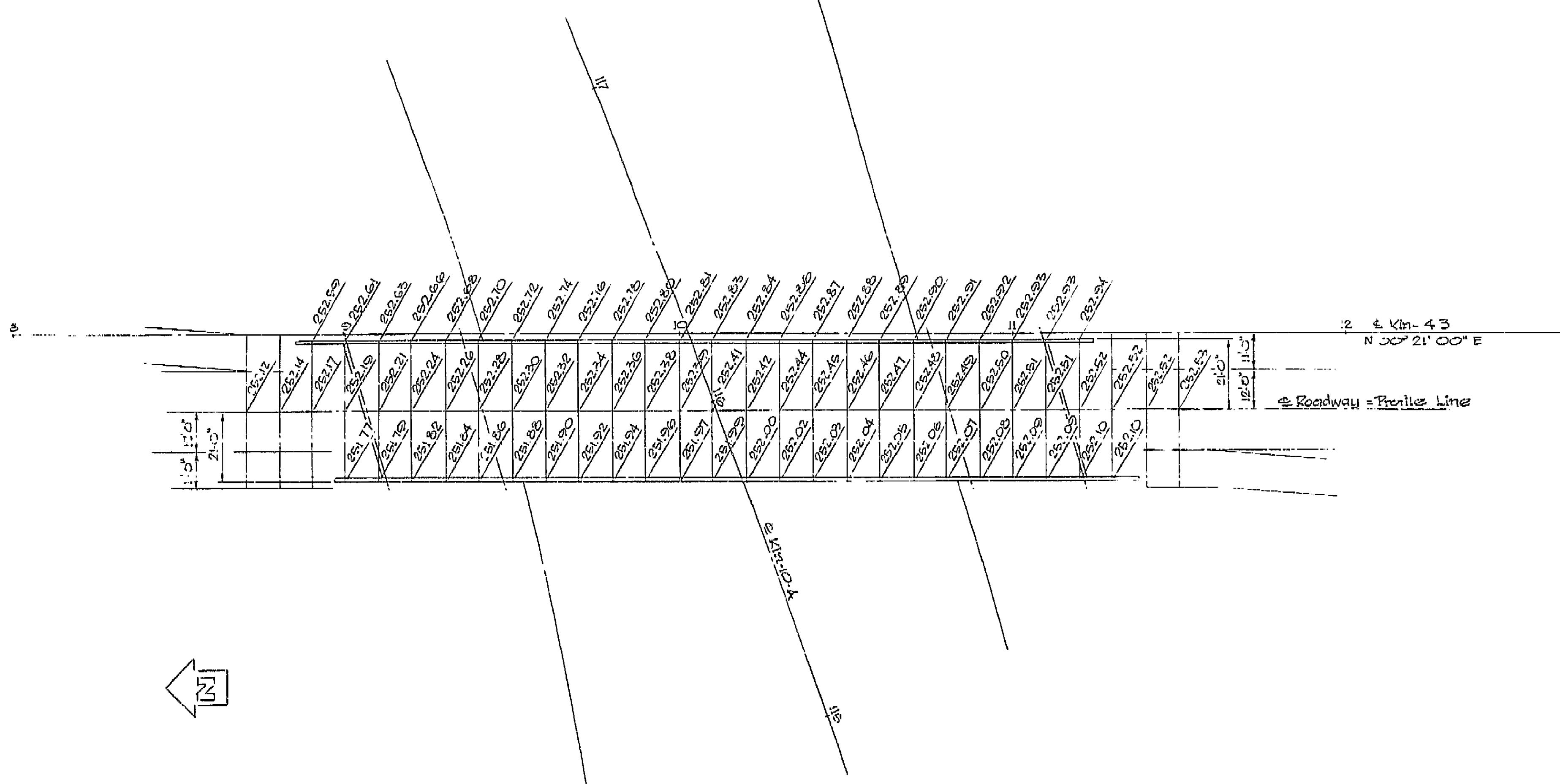


DIV. NO.	STATE	P. A. PROJECT NO.	SHET NO.	TOTAL SHEETS
7	CALIF.			

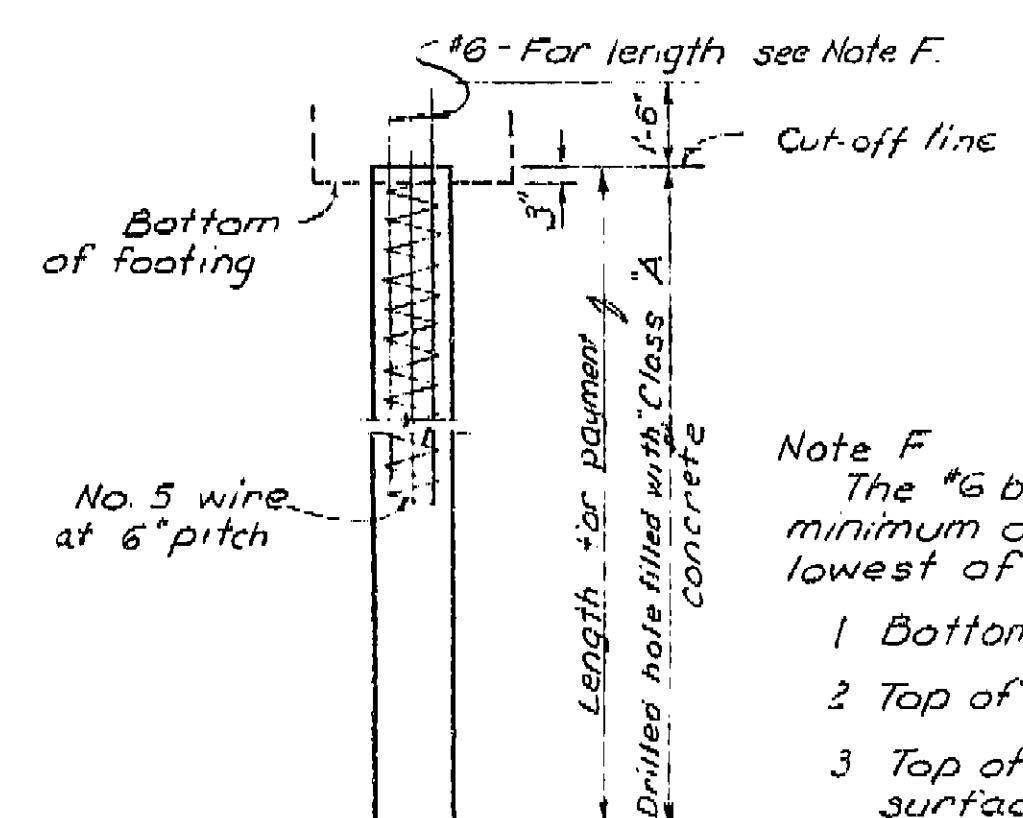
DIV.	COUNTY	ROUTE	SECTION	SHET NO.	TOTAL SHEETS
06	KING	108	ROUTE 203	224	

John S. Ladd, C.E., P.E.
SPECIAL ENGINEER CIVIL ENGINEER LICENSED STATE

DATE APPROVED: June 28, 1965



SECTION A-A



Note F:
The #6 bars shall extend a minimum of 12'-0" below the lowest of the following:
 1. Bottom of footing
 2. Top of final ground surface.
 3. Top of original ground surface when piles are drilled through fill.

Note:
Elevations are figured normal from Profile Line at 10' stations.
These elevations do not include camber.
Grid grades shown are 0.17' above concrete deck.

AS BUILT N.C.
CORRECTIONS BY P. Yucovich
CONTRACT NO. 06-015534 224
DATE 10-29-66 8-1-67

CAST-IN-DRILLED HOLE CONCRETE PILE
Concrete to be placed in dry hole

AS BUILT PLANS
Contract No. 06-015534
Date Completed 2-1-67
Document No. 60000021

BRIDGE DEPARTMENT DESIGN SECTION 3	
Section Supervisor	<i>James D. Landberg</i>
Division	108 (1+50)
Details	108-203
Quantities	108-203

STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS	
ROUTE 43/108 SEPARATION	
GRID OF DECK ELEVATIONS	
SCALE 1"=20'	BRIDGE 40'x20' FILE DRAWING 40'x20' 2
Preliminary Drawing No. Revision Dates	
P-	

Discard prints bearing earlier revision dates →

FED. ROAD DIV. NO.	STATE	P. A. PROJECT NO.	SHEET NO.	TOTAL SHEETS
7	CALIF.			

DIR.	COUNTY	ROUTE	Revol.	PILOT SHEETS
06 KIN	108 RIVER	204	234	

DATE APPROVED: June 28, 1965

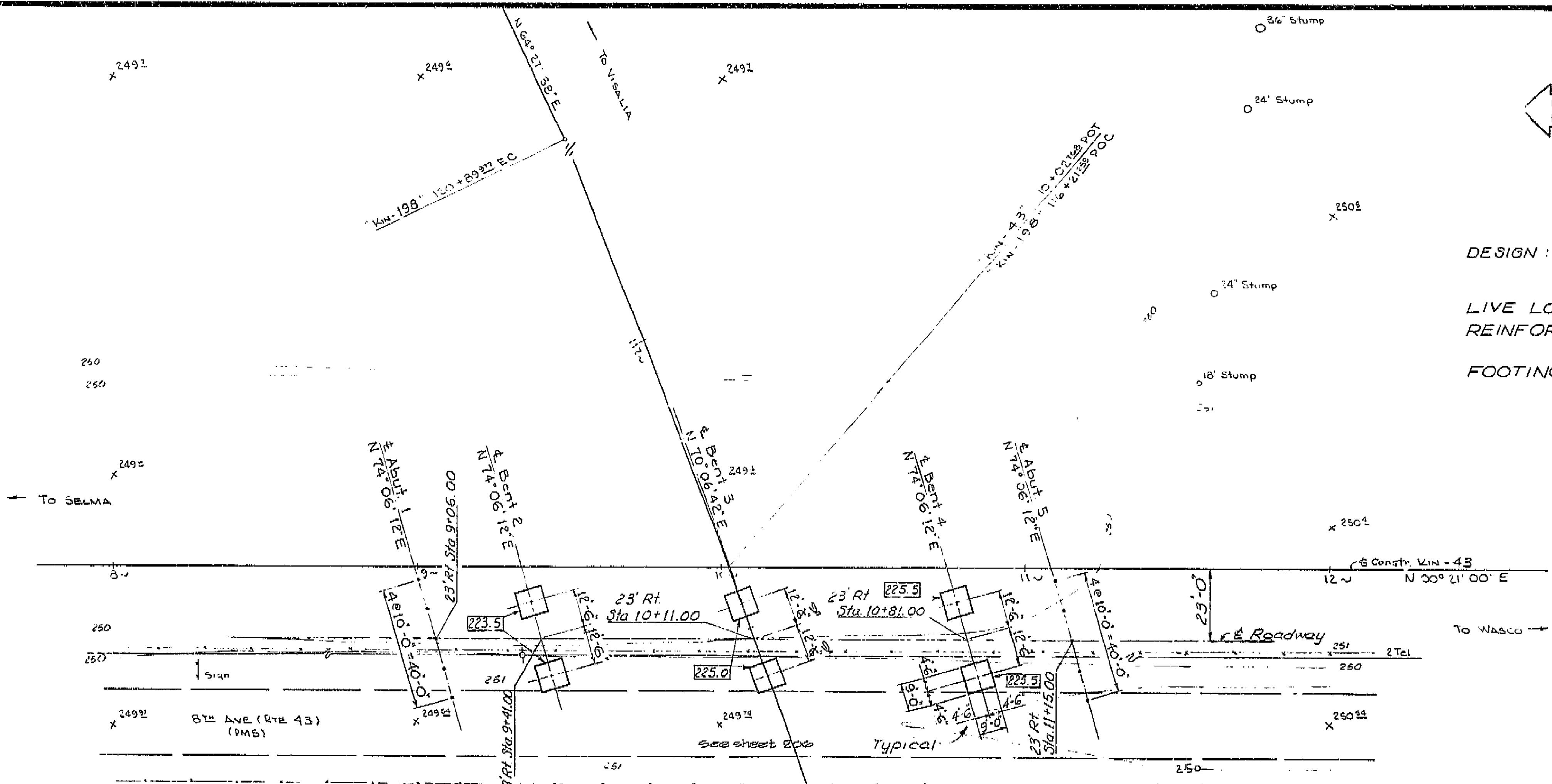
2

GENERAL NOTES

DESIGN: A.A.S.H.O. dated 1961 with revisions and as supplemented by Bridge Planning and Design Manual.

LIVE LOADING: H20-516-44 and Alternative REINFORCED CONCRETE: $F_s = 20,000 \text{ psi}$, $N=10$ $F_c = 1,200 \text{ psi}$

FOOTING PRESSURE: (Tons P.S.F.)
Allowable 4 Tons P.S.F., Design 4 Tons P.S.F.
Bents 2, 3 & 4 only



AS BUILT PLANS
Contract No. 06-015534
Date Completed 2-1-67
Document No. 60000021

AS BUILT

CORRECTIONS BY P. Vucovich
CONTRACT NO. 06-015534 555
DATE 12-29-66

SHEET OF
3 11

BRIDGE DEPARTMENT DESIGN SECTION		STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS	
Section Supervisor <i>Roger D. Schubert</i>	Design <i>R. D. Schubert</i>	ROUTE 43/198 SEPARATION	
DETAILS <i>R. D. Schubert 2-1-67</i>	QUANTITIES <i>R. D. Schubert 2-1-67</i>	FOUNDATION PLAN	
		SCALE 1" = 20' BRIDGE 45-80 FILE E-43 DRAWING 4580-3	

LEVEL DATUM: DISTRICT
FOR ALIGNMENT USE SEPTEMBER-34-79
CONTOURS AS OF 10-63
SITE PLAN TO SUPPLEMENT DISTRICT DATA
SURVEY BY EGN DATE 10-63
DRAWN BY JS DATE 10-63
RECHECKED BY JS DATE 10-15-63

62-Oct10H0155.3